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(71)Applicant : SENJU METAL IND CO LTD
SHINGO KIZAI KK

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(72)Inventor : KATO RIKIYA
SUZUKI TOMIO
OSHIMA KAZUYA
NAKAJIMA KOJI

(54) LOW TEMP. WELDING SOLDER FOR RAIL BOND

(57)Abstract:

PURPOSE: To provide low temp. welding solder, which has good workability in preliminary plating and supply of solder to steel rail and a terminal of bronze rail bond, in which shear force of joined part is sufficiently strong and which does not contain heavy metal of harmful cadmium, lead, etc.

CONSTITUTION: A solder consists of, by weight, 0.5-22% Ag, 7-15% Zn, as desired, ≤5% Sb, and/or ≤5% In, and the balance Sn, further has 220° C peak temp. By this, strong shear force is obtained to the joined part of rail and rail bond.

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